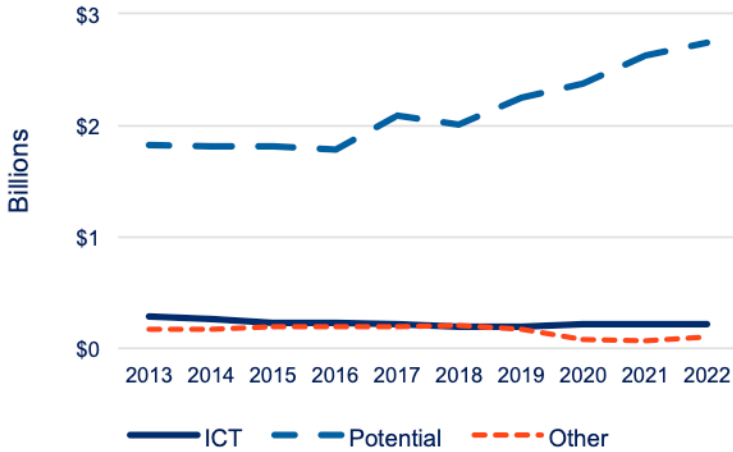




Pennsylvania's 4th and Digital Trade

PA-4 Services Exports, 2013-2022



ICT services exports fell from \$290 million in 2013 to \$222 million in 2022 (-23%), but still supported 473 direct and 425 indirect jobs in 2022.

Potentially ICT-enabled services exports grew from \$1.8 billion to \$2.7 billion (51%), supporting 6,557 direct and 5,570 indirect jobs in 2022.

Exports of other services grew from \$167 million in 2013 to \$174 million in 2019 (4%), before falling due to Covid-19. They have not yet fully recovered.

Pennsylvania's 4th district's digitally tradeable services exports supported 7,030 direct and 5,996 indirect American jobs in 2022.

Top Markets for Digitally Tradeable Services from PA-4, 2022 (\$M)

Country	ICT	Potential	Total
Europe	\$92	\$1,349	\$1,441
Asia & Pacific (ex. China)	\$53	\$536	\$589
Central & South America	\$31	\$529	\$561
North America	\$31	\$195	\$226
China	\$9.2	\$67	\$76
Middle East & Africa	\$5.4	\$68	\$74

Europe was Pennsylvania's 4th district's top market for digitally tradeable services, followed by Asia & Pacific (ex. China).

Pennsylvania's 4th district's exports of potentially ICT-enabled services to India grew from \$8.3 million in 2013 to \$22 million (+166%) in 2022.

The "Digital Dozen" accounted for \$987 million out of Pennsylvania's 4th district's \$3.0 billion in exports of digitally tradeable services in 2022.

Top Digitally Tradeable Services Exports from PA-4, 2022 (\$M)

Type (ICT in bold)	Total
Research and Development and Testing Services	\$786
Financial Management and Advisory Services	\$653
Royalties from Industrial Processes	\$404
Business Management and Consulting Services	\$235
Insurance Services	\$188
Other	\$700

Computer software services are the top ICT services export, growing from \$72 million in 2013 to \$94 million in 2022 (32%).

Research and development and testing services are Pennsylvania's 4th district's top potentially ICT-enabled services export, growing from \$332 million in 2013 to \$786 million in 2022 (137%).